

RTP 200 TC-I-15 FR

Polyamide 66

RTP Company

Message:

Thermally Conductive - Electrically Insulative - Flame Retardant

General Information			
UL YellowCard	E84658-101648574		
Features	Heat conduction		
	Insulation		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.64	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.50	%	ASTM D955
Moisture Content	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7580	MPa	ASTM D638
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 - 2.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	128	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	320	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
Thermal Conductivity			
-- ¹	0.73	W/m/K	ASTM E1530
-- ²	1.2	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Dielectric Strength ³ (in Oil)	14	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	

Drying Time	4.0	hr
Dew Point	-17.8	°C
Processing (Melt) Temp	277 - 299	°C
Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 124	MPa

Injection instructions

Desiccant Type Dryer Required.

NOTE

1. Through-plane
2. In-plane
3. Method A (short time)

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